



JPW

PATENT
Customer No. 22,852
Attorney Docket No. 03806.0579

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
)	
Christian VISKOV et al.)	Group Art Unit: 1614
)	
Application No.: 10/808,409)	Examiner: Unassigned
)	
Filed: March 25, 2004)	
)	
For: PROCESS OF OXIDIZING)	Confirmation No.: 5110
UNFRACTIONATED HEPARINS)	
AND DETECTING PRESENCE OR)	
ABSENCE OF GLYCOSERINE IN)	
HEPARIN AND HEPARIN)	
PRODUCTS)	

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicants bring to the attention of the Examiner the documents on the attached listing. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

Copies of the listed foreign and non-patent literature documents are attached.

Copies of the U.S. patent publications are not enclosed.

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

English translations of the abstracts of the non-English documents are enclosed.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.

Dated: November 21, 2005

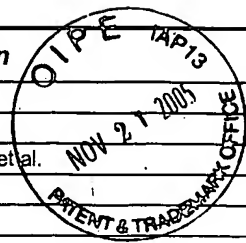
By: Lauren L. Stevens, Reg. No. 53,283
for Reg. No. 36,691

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/808,409
Filing Date	March 25, 2004
First Named Inventor	Christian VISKOV et al.
Art Unit	1614
Examiner Name	Unassigned
Attorney Docket Number	03806.0579



Sheet 1 of 2

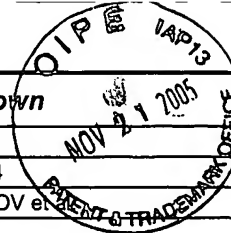
***U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS**

Examiner Initials	Cite No. ¹	Document Number	Issue or Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-2002-0055621	05/09/2002	Diaz et al.	
		US-3,135,660	06/02/1964	Bush et al.	
		US-3,766,167	10/16/1973	Lasker et al.	
		US-4,303,651	12/01/1981	Lindahl et al.	
		US-4,396,762	08/02/1983	Langer et al.	
		US-4,401,758	08/30/1983	Lormeau et al.	
		US-4,533,549	08/06/1985	Lasker	
		US-4,629,699	12/16/1986	Bianchini	
		US-4,692,435	09/08/1987	Lormeau et al.	
		US-4,757,057	07/12/1988	Fussi et al.	
		US-4,791,195	12/13/1988	Bianchini et al.	
		US-4,804,652	02/14/1989	Lormeau et al.	
		US-4,826,827	05/02/1989	Lormeau et al.	
		US-4,981,955	01/01/1991	Lopez	
		US-5,116,962	05/26/1992	Stuber et al.	
		US-5,389,618	02/14/1995	Debie	

Note: Submission of copies of U.S. Patents and published U.S. Patent Applications is not required.**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 014184 A2	08/06/1980	Kabi AB		
		EP 037319 A1	10/07/1981	Choay S.A.		Abstract
		EP 040144 A1	11/18/1981	Pharmindustrie		Abstract
		EP 064452 A1	11/10/1982	Choay S.A.		Abstract
		EP 076 279 B1	09/17/1986	Choay S.A.		Abstract
		EP 244235 A2	11/04/1987	Novo Industri A/S		
		EP 244236 A2	11/04/1987	Novo Industri A/S		
		EP 269981 A1	06/08/1988	Syntex (U.S.A.) Inc.		
		EP 287477 A2	10/19/1988	Sanofi		Abstract
		EP 337327 A1	10/18/1989	Bioiberica S.A.		
		EP 347588 A1	12/27/1989	Alfa Wassermann S.p.A.		
		EP 380943 A1	08/08/1990	Alfa Wassermann S.p.A.		Abstract
		EP 623629 A1	11/09/1994	Choay S.A.		Abstract
		GB 766992 A	01/30/1957	Boots Pure Drug Co. Ltd.		

IDS Form PTO/SB/08: Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Application Number	10/808,409	
			Filing Date	March 25, 2004	
			First Named Inventor	Christian VISKOV et al.	
			Art Unit	1614	
			Examiner Name	Unassigned	
Sheet	2	of	2	Attorney Docket Number	03806.0579



FOREIGN PATENT DOCUMENTS					
		WO 81/03276	11/26/1981	Riker Laboratories, Inc.	
		FR 2440376	05/30/1980	Choay S.A.	Abstract
		FR 2453875	11/07/1980	Choay S.A.	Abstract
		FR 2503714	10/15/1982	Chaoy S.A.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Translation ⁶
		Barrowcliffe et al., "Anticoagulant Activities of Lung and Mucous Heparins," <i>Thromb. Res.</i> , Vol. 12, pp. 27-36 (1977).	
		Citizen Petition	
		Citizen Petition Supplement	
		Linhardt, R. J. et al., "Production and Chemical Processing of Low Molecular Weight Heparins," <i>Seminars in Thrombosis and Hemostasis</i> , Vol. 25, Supp. 3, pp. 5-16 (1999).	
		Sagahara, K. et al., "Structure Determination of the Octa- and Decasaccharide Sequences Isolated from the Carbohydrate-Protein Linkage Region of Porcine Intestinal Heparin," <i>J. Biol. Chemistry</i> , Vol. 270, No. 39, pp. 22914-22923 (1995).	
		Sugahara, K. et al., "A Novel Sulfated Structure in the Carbohydrate-Protein Linkage Region Isolated from Porcine Intestinal Heparin," <i>The Journal of Biological Chemistry</i> , Vol. 267, No. 3, pp. 1528-1533 (1992).	
		Yamada et al., "Structural Studies of Octasaccharides Derived From the Low-Sulfated Repeating Disaccharide Region and Octasaccharide Serines Derived From the Protein Linkage Region of Porcine Intestinal Heparin," <i>Biochemistry</i> , Vol. 38, p. 838-847 (1999).	
		Toida, T. et al., "C-2 Epimerization of <i>N</i> -Acetylglucosamine in an Oligosaccharide Derived from Heparin Sulfate," <i>J. Carbohydrate Chemistry</i> , Vol. 15, No. 3, pp. 351-360 (1996).	
		Tsuda, H. et al., "Substrate Specificity Studies of Flavobacterium Chondroitinase C and Heparitinases Towards the Glycosaminoglycan-Protein Linkage Region (Use of a Sensitive Method Developed by Chromophore-Labeling of Linkage Glycoserines Using Dimethylaminoazobenzenesulfonyl Chloride)," <i>Eur. J. Biochem.</i> , Vol. 262, pp. 127-133 (1999).	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.